ENDANGERD SPECIES OBSERVER PROGRAM Dredge R.N. WEEKS

Date: 05 / 16 / 98 Loads: 01
Area(s) Worked: Sandbridge VA, Borrow area B
Weather Conditions: Skies clear, Winds variable 5-10 knots, Seas 1'-3'.
Range of H ₂ O Temperature: Surface 63°F Below Mid-Depth 62°F
Condition of all screening apparatus: OK
Are there incidents involving endangered or protected species? Yes No_X
Comments (type of material being dredged, biological specimens, etc.):
The dredge is 100% inflow screened. The dredge is
equipped with four inflow boxes. The boxes are screened with
openings no larger than 4"x4" openings. All the inflow boxes
are totally enclosed with screen doors on top. Both dragarms
have the ridged style T.E.D.s attached. There are two weirs
in the fore area of the hopper. Both weirs are mostly screened.
After the first load minor modifications were
made to the inflow boxes. A secondary pin was put in place on
three of the doors. Now all doors have two pins to keep the
door closed 100% during the load. With one pin in the doors
were wedging open during the load.
Samples from the first load mainly consisted of
horseshoe crabs, spider crabs, whelks, shell, coral, whelk egg
casing, clearnose skates and trash.
The observer will be taking water temperatures
from the dredge.
Bridge Watch Summary
Species # of Sightings # of Animals Comments No sightings
Eric Westerman
Observer(s) On Duty:

Dredge R.N. Weeks

DAILY REPORT

3 1

Date: 05 / 17 / 98 Loads: 02-08
Area(s) Worked: Sandbridge VA, Borrow area B
Weather Conditions: Skies hazy to clear, Winds variable 5-10 knots, Seas calm to
Range of H ₂ O Temperature: Surface 63°F Below Mid-Depth 60°F
Condition of all screening apparatus: One pin on the starboard aft box broke, new pin being made up.
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Material digging is sand with small amounts
of shell and rock. Samples remain moderate in size. Samples
today consisted of clearnose skates, spider crabs, whelks,
flounder, stargazer, whelk egg casing, horseshoe crabs, rocks
and artillery shells.
Observers working hours are 1800-0600.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
No sightings
Eric Westerman
Observer(s) On Duty:

Dredge R.N. Weeks

Date: <u>05 / 18 /</u>	98 Loads: 09-16
Area(s) Worked:	Sandbridge VA, Borrow area B
Weather Conditions:_	Skies partly cloudy, Winds calm to 10 knots, Seas 1'-3'.
Range of H ₂ O Temper	rature: Surface 68°F Below Mid-Depth 62°F
Condition of all screen	ning apparatus: New pin replaced on the starboard
fore infl	low box.
Are there incidents in	nvolving endangered or protected species? Yes No_x
Comments (type of ma	aterial being dredged, biological specimens, etc.):
	Samples today consisted of horseshoe crabs,
sea_stars	s, sand dollars, spider crabs, speckled crabs,
whelks, a	artillery shells, rock, shell and clearnose skates.
	The dragheads and weirs have stayed mostly
free of d	debris. Material digging is sand with small amounts
of shell.	•
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
No sightings	
	Eric Westerman
21 (1) 6 7	
Doserver(s) On Duty:	·

Dredge R.N. Weeks

Date: 05 / 19 / 98 Loads: 17-23
Area(s) Worked: Sandbridge VA, Borrow area B
Weather Conditions: Skies partly cloudy, Winds variable 10 knots, Seas 1'-3'
Range of H ₂ O Temperature: Surface 680F Below Mid-Depth 66 ⁰ F
Condition of all screening apparatus: OK
Are there incidents involving endangered or protected species? Yes Nox_
Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of clearnose skates,
spider crabs, horseshoe crabs, lady crabs, whelks, shell,
sand dollars, sea stars, flounder, artillery shells, rocks
and whelk egg cases.
Bridge Watch Summary
Species # of Sightings # of Animals Comments No sightings
organization
Observer(s) On Duty:

Dredge R.N. Weeks

Jate: <u>05 / 20 /</u>	<u>98 </u>	ads:	24-30	
Area(s) Worked:s	andbridge V	A, Borrow a	rea-B	
			y, Winds W-SW 10 kno	
Range of H ₂ O Temper	ature: Surface	68 ⁰ F	Below Mid-Depth	66°F
Condition of all screen	ning apparatus:_	OK		
Are there incidents in		gered or protec	ted species? Yes	No_ x
Comments (type of ma	aterial being dre	dged, biological	specimens, etc.):	
	Sample	diversity	remains the same. Sa	mples today
consist	ed of horse	shoe crabs.	whelks, spider crab	s, shell,
sea_sta	rs, sand do	llars, arti	llery shells, whelk	egg cases
and cle	arnose skat	<u>es. Materia</u>	<u>l digging is sand wi</u>	th small
amount	of shell.			
	<u>-</u>			
	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
				
			<u> </u>	
				
				
			<u> </u>	
		<u> </u>		
		Bridge Wa	tch Summary	
Species	# of Sightings	# of Animals	Comments	
•				
No sightings				
	D-1 - 1	logh or		
Observer(s) On Duty:		esterman		

Date:	05 / 21	/ 98 Loa	ads:	
Area(s) \	Worked:	Sandbride	ge VA, Borrow area B	
Weather	Conditions:	Skies par	rtly cloudy, Winds variable 10-15 knots, Seas 1	'-3
Range of	f H ₂ O Tempe	erature: Surface	Below Mid-Depth 64°F	
Conditio	on of all scree	ening apparatus:_	OK	
Are ther	re incidents	involving endan	agered or protected species? Yes No_X	
Commer	nts (type of r	naterial being dre	edged, biological specimens, etc.):	
			mples today consisted of clearnose skates,	
			pider crabs, stargazers, whelks, shell,	
	whelk	egg cases, s	ea stars, sand dollars, rocks and artillery	
	shells	•		
				
		·		
	·			
	· · · · · · · · · · · · · · · · · · ·			
	** ** · **			·
			Bridge Watch Summary	
Species		# of Sightings	# of Animals Comments	
•	sighting			
		Eric Wes		
Observe	er(s) On Duty	y:		

Dredge R.N. Weeks

Date: 0	5/ 22 /	98 Loa	ds:	38-45					
Area(s) Wo	orked:	Sandbri	dge VA,	Borrow	area E	3			-
Weather Co	onditions:	Skies p	artly cl	Loudy,	Winds v	variab1e	10-15 knots,	Seas	<u>2'</u> -3'
Range of H	I ₂ O Temperat	ure: Surface_	66°I	7	Below	Mid-Depth	62 ⁰ F		
Condition o	of all screenir	g apparatus:_		OK					
Are there	incidents inv	olving endang	gered or pr	otected s	species?	Yes	No_X	-	
Comments	(type of mate	erial being dree	dged, biolo	gical spec	cimens, etc	c.):		 	
							with small		
							seshoe crabs		
	spider cr	abs, whelk	s, star	gazers	, sea st	tars, san	d dollars,		
	flounder,	whelk egg	cases,	artil1	lery she	ells and	rocks.		
	·								
		. <u></u>							
		···							
				-					
		<u></u>	<u> </u>		<u>.</u>				
			<u> </u>	····					
				··· -					
			Bridge	Watch S	Summary				
Species	#	of Sightings	# of Anim	als Co	mments				
No s	sightings_	····							
						·			
					 		<u> </u>		
	I	Eric Wester	rman						
Observer(s	s) On Duty:	· · · · · · · · · · · · · · · · · · ·				· 			

Dredge R.N. Weeks

Date: 05 / 23 / 98 Loads: 46-50
Area(s) Worked: Sandbridge VA, Borrow area B
Weather Conditions: Skies partly cloudy, Winds NE 10-15 knots, Seas 2'-3'
Range of H ₂ O Temperature: Surface 640F Below Mid-Depth 620F
Condition of all screening apparatus:OK
Are there incidents involving endangered or protected species? YesNox_
Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of clearnose skates,
horseshoe crabs, whelks, stargazers, sea stars, sand dollars,
artillery shells, rock and spider crabs. Material digging is
sand with small amounts of shell.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
No sightings
Eric Westerman
Observer(s) On Duty:

Dredge R.N. Weeks

٠.

Date: <u>05 / 2</u>	4 / 98 Loads: 51-57	
Area(s) Worked:	Sandbridge VA, Borrow area B	
Weather Condition	ons: Skies partly cloudy, Winds light airs to SE 5-10 knots, Se	as '-:
Range of H₂O Te	emperature: Surface 65°F Below Mid-Depth 64°F	· - .
Condition of all s	screening apparatus: OK	-
Are there incide	ents involving endangered or protected species? YesNo_x	•
Comments (type	of material being dredged, biological specimens, etc.):	
	Samples today consisted of horseshoe crabs,	
	s, spider crabs, atlantic angel shark, sea stars,	
	gazers, whelk egg cases, artillery shell, rock and	
<u>clear</u>	nose skates. Material digging is sand with small amounts	
shell	· · · · · · · · · · · · · · · · · · ·	
		-
		-
		-
		-
		_
		_
	Bridge Watch Summary	
Species	# of Sightings # of Animals Comments	
No sigh	tings	
		
	Eric Woohamus	
Observer(s) On	Duty:	_

ENDANGERD SPECIES OBSERVER PROGRAM Dredge R.N. Weeks

WEEKLY REPORT

ate: 05 / 14-24	98 Loads: 01-57
rea(s) Worked:	Sandbridge VA, Borrow are B.
	ture: Surface 63-68°F Below Mid-Depth 60-66°F ng apparatus: OK
re there incidents in	volving endangered or protected species? Yes Nox_
omments (type of mai	terial being dredged, biological specimens, etc.):
	No turtles have been detected killed or injured.
No sea t	urtles have been sighted. Dredging commences on the 16th.
	After the first day new pins were made up for
the infl	ow doors. Now all doors have two pins in them.
All scre	ening has stayed intact and in working order.
	Samples this week have consisted of clearnose
skates,	spider crabs, horseshoe crabs, lady crabs, whelks,
shell, s	targazers, flounder, whelk egg cases, rocks and
artiller	y shells. All samples are found in the inflow baskets.
Materia1	digging is sand with small amounts of shell.
	Water temperatures are by the observers at the
pump-out	station. Observers hours are 1800-600.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
•	
No Sightin gs	
	Ewin West wa
Oh	Eric Westerman
boserver(s) On Duty:	

Dredge R.N. Weeks

Date: 05 / 25 /	<u>98</u> Loa	ads:58-64
Area(s) Worked:	Sandbri	dge Va, Borrow area B
Weather Conditions:_	Skies Pa	artly cloudy, Winds SW 10-15 knots, Seas 1'-3'
Range of H ₂ O Temper	ature: Surface	65°F Below Mid-Depth 64°F
Condition of all screer	ning apparatus:_	ок
Are there incidents in	nvolving endan	gered or protected species? Yes No_X
Comments (type of ma	aterial being dre	edged, biological specimens, etc.):
	Samples t	oday consisted of horseshoe crabs, whelks,
		rabs, wkelk egg cases, skate egg cases,
		rock and clearnose skates. Material
digging	is sand wi	th small amount of shell in it.
		
		Bridge Watch Summary
Species	# of Sightings	# of Animals Comments
No sightings		
	Eric W	Westerman
Observer(s) On Duty:		

Dredge R.N. Weeks

Date:0	<u>5 / 26 /</u>	98	Loads:		55-71			
Area(s) W	orked:	Sandbr	idge VA,	Borrow	area B	··		
Weather (Conditions:	Skies	cloudy,	rain, Wi	nds calm	to SW 10-15	5 knots, Seas	<u> 1'-3</u> '
Range of	H₂O Temper	ature: St	ırface	69 ⁰ F	Belov	w Mid-Depth	· 69°F	
	of all screen						· <u></u>	
Are there	e incidents i	nvolving e	endangered	or protect	ed species?	Yes	NoX	
Comment	ts (type of m		•	•	•			
							gel skarks,	
			· -				ases,	
						rocks and		
	rays. Ma	iterial	algging	is sano	with Sma	11 amounts	or sherr.	
	<u></u>		· <u> </u>					·····
	*			······································		· · · · · · · · · · · · · · · · · · ·		
				···········				
							 -	
		····						
		····		· · · · · · · · · · · · · · · · · · ·				
	· · ·							
				Bridge Wa	tch Summary	ž.		
Species		# of Sig	htings # of			-		
No	sighting	gs						
						<u></u>		
	····					<u>.</u>		
		Eri	c Westerm	an				
Observe	er(s) On Duty	y:					<u> </u>	

Dredge R.N. Weeks

Date: <u>05 / 27 /</u>	98 Load	ds:72 - 78
Area(s) Worked:	Sandbridg	ge VA, Borrow area B
Weather Conditions:	Skies clo	oudy, rain. Winds light airs to SE 10 knots, Seas 1'-
Range of H ₂ O Tempera	ture: Surface_	690 _F Below Mid-Depth 690 _F
Condition of all screeni	ng apparatus:	OK
Are there incidents in	volving endang	gered or protected species? Yes No_X
Comments (type of ma	terial being dred	dged, biological specimens, etc.):
	Materi	ial digging is sand with small amounts
	-	es today consisted of horseshoe crabs, whelks,
spide	er crabs, fl	lounder, whelk eqq cases, clearnose skates,
starç	jazers, rock	k and artillery shells.
	<u>-</u>	
		Bridge Watch Summary
Species	# of Sightings	·
No sightings		
	Eric	Westerman
Observer(s) On Duty:		

Dredge R.N. Weeks

DAILY REPORT

• •

Date: <u>05 / 28 / 98</u> Loads:	79-85
Area(s) Worked: Sandbridge VI	A, Borrow area B
Weather Conditions: Skies cloudy	, fog, Winds light airs, Seas 1'-2'
Range of H ₂ O Temperature: Surface	69° _F Below Mid-Depth 68° _F
Condition of all screening apparatus:	ok
Are there incidents involving endangered	or protected species? Yes Nox
Comments (type of material being dredged,	biological specimens, etc.):
Materia	1 digging is sand with small amounts
_	es consisted of clearnose skates,
	r crabs, whelks, flounder, shell,
rock, sand dollars, se	a stars and artillery shells.
	Bridge Watch Summary
Species # of Sightings # o	f Animals Comments
No sightings	
Eric Westerman	· · · · · · · · · · · · · · · · · · ·
Observer(s) On Duty:	

Dredge R.N. Weeks

Date: <u>05 / 29 /</u>	<u>98</u> Loa	ls:86-92	
		VA, Borrow area B	
Weather Conditions:_	Skies par	ly cloudy, light fog, W	inds SW 5-10 knots, Seas 1'-3'
Range of H ₂ O Tempe	rature: Surface	660 _p Below Mid	l-Depth62°F
Condition of all scree	ning apparatus:_	OK	
Are there incidents i	nvolving endan	ered or protected species? Ye	Nox
Comments (type of m	•		
		ples today consisted of	
		der crabs, clearnose sk	
		eks ans artillery shells	
are col	lected in th	e inflow baskets.	
	.		
			<u></u>
	· · · · · · · · · · · · · · · · · · ·		
,			
		Bridge Watch Summary	
Species	# of Sightings	# of Animals Comments	
No sightings	<u> </u>		
		· · · · · · · · · · · · · · · · · · ·	
		ric Westerman	
Observer(s) On Duty	:		

Dredge R.N. Weeks

)ate:	05 / 30 / 98 Loads: 93_99
Area(s) \	Worked: Sandbridge VA, Borrow area B
Weather	Conditions: Skies partly cloudy, Winds SW 10-15 knots, Seas 1'-3'
	H ₂ O Temperature: Surface 68°F Below Mid-Depth 64°F
	n of all screening apparatus:OK
Are ther	re incidents involving endangered or protected species? Yes No_x
Commen	its (type of material being dredged, biological specimens, etc.):
	Samples today consisted of spider crabs,
<u> </u>	horseshoe crabs, clearnose skates, whelks, stargazers, flounder
····	sea stars, sand dollars, rocks and artillery shells. Material
	digging is sand with small amount of shell.
	,
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
No	sightings
	
	Eric Westerman
Observe	r(s) On Duty:

Date: 05 / 31	/ 98 Loads: 100-101	
Area(s) Worked:	Sandbridge VA, Borrow Area B	
Weather Conditions:	Skies partly cloudy, Winds SW 10-15 knots	, Seas 2'-3'
Range of H ₂ O Tempo	erature: Surface 67°F Below Mid-Depth	62 ^O F
Condition of all scree	ening apparatus:OK	
Are there incidents	involving endangered or protected species? Yes	Nox
Comments (type of r	naterial being dredged, biological specimens, etc.):	
	Samples today consisted of ho	<u> </u>
	spider crabs, stargazers, whelks, whelk egg	
	se skates, rocks and artillery shells. Mate	
is sand	with small amounts of shell.	
		<u> </u>
	·	
a .	Bridge Watch Summary	
Species	# of Sightings # of Animals Comments	
No sightings		
	Eric Westerman	
Observer(s) On Duty	y:	· · · · · · · · · · · · · · · · · · ·

ENDANGERD SPECIES OBSERVER PROGRAM Dredge R.N. Weeks

WEEKLY REPORT

Date: <u>05 /25-31/</u>	<u>/ 98 Loads: 58-101 </u>
Area(s) Worked:	Sandbridge VA, Borrow area B
Pance of U.O. Towns	erature: Surface 65-69°F Below Mid-Depth 62-69°F
	· ·
Condition of all scree	ening apparatus:OK
Are there incidents	involving endangered or protected species? Yes No_X_
Comments (type of n	naterial being dredged, biological specimens, etc.):
	No sea turtles were detected injured or killed
this	week. No turtles have been sighted this week.
	Samples this week have consisted of clearnose
skates	s, butterfly rays, horseshoe crabs, spider crabs,
	crabs, stargazers, flounder, atlantic angel shark,
	egg cases, shell, whelks, rocks and artillery shells.
	ial digging is sand with small amount of shell mix.
	All the screens and T.E.D.S remain in good
worki	ng order. Observers hours this week were from 1800-0600.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
No sighti:	
	÷
	Eric Westerman
01	
Observer(s) On Du	ty:

Dredge R.N. Weeks

Date: 06 / 01 /	98Loa	ads:
		ge VA, Borrow area B
		rtly cloudy, Winds SW 10-15 knots, Seas 1'-3'
		71° _F Below Mid-Depth 68° _F
		ok
		gered or protected species? Yes No_X_
Comments (type of m	aterial being dre	dged, biological specimens, etc.):
		amples today consisted of horseshoe crabs,
		rnose skates, stargazers, sea stars,
		y shells. Material digging is sand with
small a	mount of she	ell mix.
	·	
		Bridge Watch Summary
Species No sightings	# of Sightings	# of Animals Comments
	Eric We	esterman
Observer(s) On Duty:	·	

Dredge R.N. Weeks

	30-	ads:106-112
Area(s) Worked:	Sandbridg	ge VA, Borrow area B
Weather Conditi	ons: <u>Skies cle</u>	ear, Winds SW 10 knots, Seas 1'3'
Range of H ₂ O T	emperature: Surface	715 Below Mid-Depth 680F
Condition of all	screening apparatus:_	OK
	·	
Are there incide	ents involving endan	gered or protected species? YesNox_
Comments (type	of material being dre	dged, biological specimens, etc.):
	Sample	es today consisted of whelks, shell,
spic	ler crabs. starg	azers, angel shark, clearnosesskate,
hors	seshoe crabs, ar	tillery shells and rocks.
	Observ	vers hours have change from 1800-0600 to
0600) <u>-1200, 1800-240</u>	10.
	•	
		Bridge Watch Summary
Species	# of Sightings	# of Animals Comments
440		No sightings
	Er	cic Westerman
Observer(s) On	Duty:	

Dredge R.N. Weeks

Date: 06 / 0	03 / 98 Loads: 113-119	
	: Sandbridge VA, Borrow area B	
Weather Conditi	ions: Skies clear, Winds variable 10 knots, Se	as 1'-3'
Range of H ₂ O T	Temperature: Surface 570F Below Mid-Depth	570p=
Condition of all	screening apparatus: OK	
Are there incid	lents involving endangered or protected species? Yes	Nox
Comments (type	e of material being dredged, biological specimens, etc.):	
	Material digging is sand with s	
	unts of shell mix. Samples today consisted of a	•
	el sharks, horseshoe crabs, spider crabs, flou	·
star	rgazers, shell, wood, sea stars and artillery o	shells.
	Bridge Watch Summary	
Species	# of Sightings # of Animals Comments	
T C		
	No sightings	
	Eric Westerman	
Observer(s) On	Duty:	

Dredge R.N. Weeks

Date:_	06/	04 /	98 Loa	ads:	120-126
Area(s)	Worked	i:	Sandbi	cidge Va	, Borrow area B
Weathe	r Condi	tions:	Skies cl	Loudy, W	inds S 10 knots, Seas 1'-3'
Range (of H ₂ O	Гетрега	ture: Surface	67°	Below Mid-Depth 63°F
Conditi	on of al	screeni	ing apparatus:_	Fore p	port inflow box, the inboard pin
	br	oke o	ff. A new p	oin will	be made up for the box.
Are the	ere incid	lents in	volving endan	gered or pr	rotected species? Yes NoX
Comme	ents (typ	e of ma	terial being dre	dged, biolo	gical specimens, etc.):
			Sample	es today	consisted of horeshoe crabs,
	sp	ider	crabs, whel	lks, ange	el sharks, flounder, stargazers,
	se	a sta	rs, sand do	ollars,	shell, rock and artillery shells.
	Ма	teria	1 digging i	is sand 1	with small amounts of shell.
				·····	
			<u></u>		
				. <u> </u>	
				 	
		····			
	··				
	· · · · · · · · · · · · · · · · · · ·				
				Bridge	e Watch Summary
Specie	S		# of Sightings	# of Anim	als Comments
Tt			1	6	Bottlenose dolphins
					
		 -	 		
					
			Eı	ric West	erman
Observ	er(s) O	n Duty:_			

ENDANGERD SPECIES OBSERVER PROGRAM Dredge R.N. Weeks

Date: 06 / 05	<u>/ 98</u> Lo	oads:	127-133			_
Area(s) Worked:	Sand	bridge VA,	Borrow area	a - B		
Weather Conditions						
Range of H ₂ O Tem	perature: Surface	68 ⁰ F	Below	Mid-Depth	55°F	
Condition of all scr	eening apparatus:	OK, new	pin being	made up for	the port	cage.
Are there incident	s involving endan	gered or protec	cted species?	Yes	Nox	
Comments (type of	material being dre	edged, biologica	l specimens, etc	:.):		
	Sa	mples today	consisted	of spider c	cabs.	
	seshoe crabs.		-			
cle				•		
	ging is sand	with small	of shell mi	LX •	<u></u>	
						<u> </u>
						
					· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·					
						
		<u></u>				
		To 11 177	. 1. 0			
Consider	# -£ C:-1-1'	•	tch Summary			
Species	# of Sightings	# of Animais	Comments No sight	inas		
			_ NO BIGHT	711193	··· <u> </u>	
-						
	Eric W	esterman				
Observer(s) On Du	tv.					

Dredge R.N. Weeks

Date: 06 / 06 /	98 Loa	ads:	134-140	
Area(s) Worked:	Sandbridg	e VA, Borro	ow area B	
				nots, Seas 2'-3'
Range of H ₂ O Temper	ature: Surface	69 ⁰ F	Belo	w Mid-Depth68 ^o F
	ning apparatus:_		n made up	and should be welded
Are there incidents in	nvolving endang	gered or protec	cted species?	Yes Nox
Comments (type of ma	aterial being dre Samples	dged, biologica remain the	l specimens, e e same. Sa	etc.): imples collected today
were ho	orseshoe cra	bs, spider	crabs, wh	nelks, angel sharks,
stargaz	zers, sea st	ars, whelk	egg cases	s, rock, clearnose
skates	, flounder a	nd artille	ry shells.	
,				
	4			
			· · · · · · · · · · · · · · · · · · ·	
		Bridge Wa	tch Summary	
Species	# of Sightings	# of Animals	Comments	
			No	sightings
				<u> </u>
		" ""	<u> </u>	
·		Westerman		
Observer(s) On Duty:	FIIC	uescerman		

Dredge R.N. Weeks

Date:	06 / 07 / 98 Loads: 141-146
Area(s)	Worked: Sandbridge VA, Borrow area B
Weather	Conditions: Skies cloudy, Winds NE 10-15 knots, Seas 2'-3'
Range of	f H ₂ O Temperature: Surface 67°F Below Mid-Depth 67°F
Conditio	n of all screening apparatus: OK, new pin welded on the port inflow basket.
Are ther	re incidents involving endangered or protected species? Yes No_X
Commen	nts (type of material being dredged, biological specimens, etc.):
	Samples today consisted of angel sharks, whelks,
	horseshoe crabs, spider crabs, shell, sea stars, sand dollars,
	flounder, stargazers, rock and artillery shells. Material
	digging is sand with small amounts of shell.
	•
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
	No sightings
	Eric Westerman
Observe	
Observer	r(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM Dredge R.N. Weeks

WEEKLY REPORT

Date:	06/01-07	/ 98 Load	ls: <u>10</u>	2-146	
Area(s)	Worked:	Sandbrid	ge VA, bor	row area B	
		···			
		erature: Surface_		Below Mid-Dept	
Condition	on of all scree week.	ening apparatus: A new pin was	OK, on made up a	e of the port ping nd welded back on	s broke off this the inflow cage.
Are the	ere incidents	involving endang	ered or protec	ted species? Yes	Nox
Comme	ents (type of r	naterial being dred	ged, biological	specimens, etc.):	
	·			ere detected kille	ed or injured
	this w	eek. No turt1	es were si	ghted this week.	· · · · · · · · · · · · · · · · · · ·
		Sample	s this wee	k have mainly cons	sisted of
	clearn	ose skates, a	ngel shark	s, spider crabs,	rock crabs,
17, 1	horses	hoe crabs, wh	elks, whel	k egg cases, shel	1, flounder,
·	starga	zers, sea sta	rs, sand d	ollars, rocks and	artillery
	shells	•			
		The so	reens and	T.E.D.s remain in	good working
	order.	Material dig	ging is sa	nd with small amou	unts of shell.
					·
					
	 				
					······································
					
			D 11 111		
			_	atch Summary	
Specie	:S	# of Sightings			
Tt_	····	1	6	Bottlenose of	dolphins
					·
		Eric	Westerman		·
Obser	ver(s) On Du	ty:			

Dredge R.N. Weeks

Date: 06 / 08	3 / 98 Loa	ads:147	-150
	Sandbridge		
Weather Condition	ns: Skies par	tly cloudy,	Winds NW 10-15 knots, Seas 1'-3'
Range of H ₂ O Ten	nperature: Surface	67°F	Below Mid-Depth 66°F
Condition of all so			
	ts involving endan	gered or protec	ted species? YesNo_x_
Comments (type o	f material being dre	dged, biological	specimens, etc.):
	Mate	<u>rial diggin</u>	g is sand with small amounts
Of s	shell. Samples	today cons	isted of horseshoe crabs, whelks,
			rnose skates, shell, sea stars,
rocl	c and artiller	y shells.	
		<u>Bridge Wa</u>	tch Summary
Species	# of Sightings	# of Animals	Comments
			No sightings
			
	Eric Wes	terman	
Observer(s) On D	utv:		

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 /	09 / 98 Loads: 151-153
Area(s) Work	Sandbridge VA, borrow area B
Weather Cond	tions: Skies partly cloudy, rain, winds NW 8-12 knots, Seas 1'-3
Range of H ₂ C	Temperature: Surface NT Below Mid-Depth NT
Condition of a	screening apparatus: OK
Are there inc	lents involving endangered or protected species? Yes NoX
Comments (ty	e of material being dredged, biological specimens, etc.):
	The dredge was in port all day for fuel.
 ,	
	
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
	No sightings
	Eric Westerman
Observer(s) (Duty:

Dredge R.N. Weeks Norfolk District, USACE

Date: 06 / 10	/ 98 Loads: 154-162
Area(s) Worked:_	Sandbridge VA, borrow area B
Weather Conditio	ns: Skies cloudy, Winds SE 10 knots, Seas 2'-4'
Range of H ₂ O Te	nperature: Surface 68°F Below Mid-Depth 64°F
Condition of all so	OK
Are there incider	its involving endangered or protected species? Yes No_X
Comments (type o	of material being dredged, biological specimens, etc.):
bu	tterfly rays, horseshoe crabs, spider crabs, whelks,
ro	ck, shell, flounder and artillery shells.
	Observers hours continue to be 0600-1200,
	00-2400. Material digging is sand with small amount of
she	ell mix.
C	Bridge Watch Summary
Species	# of Sightings # of Animals Comments No sightings
	Eric Westerman
Observer(s) On D	Puty:

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 /	11 / 98 Loa	ds:	163-170
Area(s) Worked:	Sandbridge	VA, borrow	area B
Weather Condition	ons: Skies c	loudy, Wind	ds E-SE 5-10 knots, Seas 1'-3'
Range of H ₂ O Te	emperature: Surface_	66 ⁰ F	Below Mid-Depth 67°F
Are there incide	ents involving endang	gered or protec	ted species? Yes No_X_
Comments (type	•	-	specimens, etc.):onsisted of horseshoe crabs,
	er crabs, whelk		lounder, clearnose skates,
	While	arriving a	t the pump-out station an adult
			nted. The turtle dove and was
not	sighted again. '	The turtle	was sighted at 0548 at coordinates
36 ⁰ 4	3.4615'N, 075 ⁰ 5	5.6923'W.	
			
			
	<u></u>		
		····	
		Bridge Wa	tch Summary
Species	# of Sightings	# of Animals	Comments
Cc	1	1	Loggerhead sea turtle
Tt	1	3	Bottlenose dolphins
	Eric W _{est}		
Observer(s) On	"est Durv	erman	

Dredge R.N. Weeks Norfolk District, USACE

Date: 06 / 12	2 <u>/ 98</u> Loa	ads:	171-17	78		
Area(s) Worked:_	Sandbridge	VA, borrow	area B	<u> </u>		
Weather Conditio	ons: Skies clou	dy, rain, N	Winds SE	10 knots,	Seas	2'-3'
Range of H ₂ O Te	mperature: Surface	67 ⁰ F	Be	low Mid-Dept	h	66 ^O F
Condition of all s	creening apparatus:_	ок			-	
Are there incide	nts involving endan	gered or protec	cted species	? Yes		No_X
Comments (type	of material being dre	dged, biologica	-			
spide	r crabs, whelks					
	azers, sea star					
	ial digging is					
	•					
					·	
		· · · · · · · · · · · · · · · · · · ·				
-		·			-	
					-	
6 :	" CO: 1 :	_	atch Summa			
Species	# of Sightings	# of Animals	Comments	sightings		
			 			
	Eric Wes	sterman				
Observer(s) On I	Outy:					

Dredge R.N. Weeks Norfolk District, USACE

Date: 06 /_	13 / 98 Lo	ads:	179-185
Area(s) Worked		VA, borrow	area B
Weather Condit	Claide elou	dy, thunder	storms, Winds 5-10, Seas 1'-3'
	emperature: Surface	69 ⁰ F	Below Mid-Depth 68°F
	screening apparatus:		
			· · · · · · · · · · · · · · · · · · ·
	· ·		
Are there incid	ents involving endan	gered or prote	cted species? Yes NoX
Comments (type			d specimens, etc.):consisted of rock crabs, spider crabs,
hor			nder, clearnose skates, rock,
			s and artillery shells. Material
dig	ging is sand wi	th small am	ounts of shell.
			
			· · · · · · · · · · · · · · · · · · ·
		Bridge W	atch Summary
Species	# of Sightings	# of Animals	
Tt	3	23	Bottlenose dolphins
	Eria t		
Observer(s) On	Duty:		

Dredge R.N. Weeks
Norfolk District, USACE

		Eric Weste	rman	
Tt		1	4	Bottlenose dolphins
Cc		1	1	Dead loggerhead sea turtle
Species		# of Sightings		tch Summary Comments
	······································			
		ooserver	s nours too	lay were 0600-1800.
* **	looked i	· -		No 0600 1000
			ith the dr	edging project. The turtles carapace
				3'N, 075°52.0207'W. The dead turtle
				and neck colored white. Coordinates
	sighted			rea. The dead turtle was bloated
				dly decomposed loggerhead was
		abs, shell a		
· · · · · · · · · · · · · · · · · · ·	spider o		<u>-</u>	se skates, sand dollars, rocks,
Comment	s (type of ma			specimens, etc.):
Are there	e incidents in	nvolving endang	ered or protec	ted species? Yes NoX_
Condition	of all screer	ning apparatus:	OK	· · · · · · · · · · · · · · · · · · ·
•	-	ature: Surface		Below Mid-Depth
,			4.0-	67 OF
Area(s) W	orked:			, Winds SW 10 knots, Seas 1'-3'
	, , .	98 Load Sandbridge	VA horrow	area B

Dredge R.N. Weeks
Norfolk District, USACE

WEEKLY REPORT

Date:	06		08-1	4	98	Load	ls:				14	7-1	92								
						ndbridge	VA, t	orro	w a	rea	а В	•									
Range	e of l	H,O	Temp	erat	ure:	Surface_	66	5-69 ⁰	F		Belo	ow M	1id-	Dep	:h		64	4-6	80	F	
						paratus:		, Scr	een												
	wc) L K .	ing o) L G	er.							 									
Are t	here	inc	idents	inv	olvii	ng endang	ered or p	protec	ted s	spec	eies?	,	Yes				N	lo		<u>x</u>	<u></u>
Com	ments	s (ty	pe of 1	mat	erial	being dred												•			
		•				No sea															
						loggerh															
						d at the															
						f the di															
	aı	cea	was	ъa	dly	decompo	sed. T	The c	ara	pa	ce :	Look	ced	to	be	i	nt	act	•	The	<u></u>
	đe	ead	turt	:1e	is	not ass	sociate	ed wi	th	the	e d	redo	je	pro	jec	t.					
						Samples	s this	week	ma	in	1 y	cons	sis	ted	of	W	he	lks	,		
	ho	ors	eshoe	e c	rab	s, spide	er cral	bs, t	1ue	e C	rab	s, I	coc	k c	rab	s,	s!	he1	1,	,	
	aı	nge	1 sha	ark	s,	butterf	Ly rays	s, c1	ear	no	se	skat	es	, s	and	d	01	1ar	s,		
	S	ea	stars	з,	sta	rgazers	, floui	nder,	wh	ne1	k e	gg d	cas	es,	co	ra	1,	ro	ck	s	
	aı	nd	arti1	11e	ry	shells.	• .	4													
						Observe	ers hou	urs t	his	5 W	eek	hav	ле	bee	n f	ro	m	060	0-	-120	0,
	18	300	-2400	٥.	and	one day	v from	0600	-18	300	. T	he d	dre	dge	we	nt	i	nto)		
	pq	ort	one	đa	y f	or fuel	and wa	ater.	Wa	ate	r t	empe	era	tur	es	CO	nt	inu	ıe		
						the obs															
																	•				· · · · · · · · · · · · · · · · · · ·
																					· · · · · · · · · · · · · · · · · · ·
							Brio	dge W	atch	Sur	nma	rv									
Spec	cies				# of	Sightings		•			nents	•									
•	c				<i>"</i> σ.	2	2		0,			, ogge	erh	ead	se	ea	tu	rt1	Les	3	
Т	't			_		5	3	0	_		В	ott:	1en	ose	do	1p	hi	ns			
				_												<u> </u>					_
				-																	
				_					_												
Ohs	ervei	r(s)	On Du	ıtv.		Eri	c West	erman	1												

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06	<u>/ 15 _/</u>	98Loa	ds:1	93-200
Area(s) Wor	ked:	Sandbridge	VA, borrow	area B
Weather Cor	nditions:	Sky part1	y cloudy, Wi	nds SW 10-15 knots, Seas 1'-3'
Range of H ₂	O Temper	ature: Surface_	68 ^O F	Below Mid-Depth67 ⁰ F
Condition of	all screer	ing apparatus:_	OK	
Are there in	ncidents in	nvolving endang	gered or protecte	ed species? Yes NoX
Comments (type of ma	aterial being dree	dged, biological s	specimens, etc.):
	£1	 		consisted of whelks, shell,
				llery shells. Material digging
			amount of s	
		<u> </u>		
		•		
				_ ``
		 -		
			Bridge Wat	ch Summary
Species		# of Sightings	•	Comments
- P		" or o.P	,, 01 11	No sightings
				
			- M	
			c Westerman	
Observer(s)	On Duty	;		

Dredge R.N. Weeks Norfolk District, USACE

Date: 06	/ 16	5 / 98	_ Lo	oads:	20	01-207		w/**		_
Area(s) W	orked:_	San	dbridge	≥ VA, bo	orrow	area B				
Weather C	onditio	ns: Sk	ies va			derstorms	, Winds	variable		knots,
Range of I	H ₂ O Te	mperature:	Surface	e62	O _F	Belo	w Mid-De	pth60	F	
Condition	of all s	creening a	pparatus:		OK					
Are there	incide	nts involvi	ng endai	ngered or	protect	ed species?	Yes	N	0X	
Comments	(type	of material	_	_	_	•	•	small a		
								crabs,		
						rnose ska	ates, sp	ider cra	bs, she	11,
	rock	and art	illery	shells			· · · · · · · · · · · · · · · · · · ·			
										
								· - · · · · · · · · · · · · · · · · · · ·		
		• • •								
							· · · · · · · · · · · · · · · · · · ·			
					·					
<u> </u>						 				- · ·
										
					•					
									•	
				Brio	ige Wat	ch Summary	<u>′</u>			
Species		# of	Sightings	# of An	imals	Comments	.v			
			••]	No sight	ings		
										
										
			Eric V							***
Observer(s) On [Outy:			~ 11					

Dredge R.N. Weeks
Norfolk District, USACE

te: <u>06 / 17</u>	/ 98 Loads: 208-214
ea(s) Worked:_	Sandbridge VA, borrow area B
eather Conditio	ONS: Skies partly cloudy, Winds W-NW 5-10 knots, Seas 1'-3'
	emperature: Surface 72°F Below Mid-Depth 72°F
ondition of all s	screening apparatus:OK
re there incide	ents involving endangered or protected species? Yes NoX
omments (type	of material being dredged, biological specimens, etc.):
	Samples today consisted of whelks, spider
	bs, lady crabs, horseshoe crabs, shell, flounder, sea
	rs, sand dollars, artillery shells and rocks. Material
digg	ging is sand with small amounts of shell.
	•
	
·	
- ,	
	
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
	No sightings
·	
	Eric Westerman

Dredge R.N. Weeks Norfolk District, USACE

Date: 06 / 18	/ 98 Lo	ads:	215-220
Area(s) Worked:	Sandbridge	VA, borrow	area B
			dy, Winds SW 5-15 knots, Seas 1'-3'
Range of H ₂ O Temp	erature: Surface	72 ^{OF}	Below Mid-Depth
			ted species? YesNox_
Comments (type of	material being dre	dged, biological	specimens, etc.):
	Samp1	es collecte	today consist of shell,
	_		e crabs, clearnose skates,
flounde	r, rocks and	artillery :	shells. Material digging is
sand wi	th small amo	unt of shel:	L _{mix} .
		<u> </u>	
		· · · · · · · · · · · · · · · · · · ·	
		<u>Bridge Wa</u>	tch Summary
Species	# of Sightings	# of Animals	Comments
			No sightings
Obcarvario) On Due		ic Westerma	n
Observer(s) On Dut	y		

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 / 19	<u>/ 98</u> Lo	ads:	22t-227
Area(s) Worked:	Sandbridge	VA, borrow	area B
Weather Conditions:	Skies clo	udy, Winds	SW 5-10 knots, Seas 1'-2'
Range of H ₂ O Tempe	erature: Surface	740F	Below Mid-Depth 66°F
Condition of all scree			
Are there incidents	involving endan	gered or protec	eted species? Yes No_X
Comments (type of n	naterial being dre	edged, biologica	l specimens, etc.):
	Materi	al digging	is sand with small amount of shell
mix. Obs	ervers hour	s remain 60	0-1200, 1800-2400.
			sist of horseshoe crabs,
whelks,	spider crab	s, flounder	, clearnose skates, sea stars,
sand dol	lars, whelk	egg cases,	rocks and artillery shells.
			
			
		D ' 1 XX	. 1. 0
G	# CC: 17	•	tch Summary
Species	# of Sightings	# of Animals	Comments
			_No sightings
Observer(s) On Duty:	Eri	c Westeeman —————	

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date:	06 / 20 / 98 Loads: 228-230
Area(s) V	Worked: Borrow area B
	Conditions: Skies clear, Winds light airs, Seas calm
Range of	FH ₂ O Temperature: Surface 74°F Below Mid-Depth 67°F
_	n of all screening apparatus: OK
Are ther	re incidents involving endangered or protected species? Yes No_X
Commen	ats (type of material being dredged, biological specimens, etc.):
	Starting with load 230 the cage doors will
	be kept closed during observers off time. Observers hours
	have been from 0600-1200, 1800-2400. This change is due to
	đehris going into the hopper while doors are open and damaging
	the hopper doors. Sample quantity is not that sufficient so
	any clogging of the cages would occur.
	Samples today mainly consisted of whelks,
	shell, horseshoe crabs, spider crabs, clearnose skates,
	flounder, rock and artillery shell.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
	No sightings
	Eric Westerman
Observer	r(s) On Duty:

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 /	<u>21 / 98</u> Lo	oads:	231–236
Area(s) Worked	d: Borrow a	rea B	
Weather Condi	tions: Skies pa	rtly cloudy	, Winds variable 10 knots, Seas 1'-2'
Range of H ₂ O	Temperature: Surfac	e72°F	Below Mid-Depth 66°F
Condition of al	l screening apparatus:	OK	
Are there incid	dents involving endar	ngered or prote	cted species? Yes No_X
Comments (typ	e of material being dr	edged, biologica	l specimens, etc.):
	The cage	e doors rema	ined closed all day. There
			Samples today remained mainly
whe	elks, horseshoe	crabs, spid	er crabs, shell, flounder,
C1	earnose skates,	rocks and a	rtillery shells.

		Bridge Wa	atch Summary
Species	# of Sightings	# of Animals	Comments
			No_sightings
	Eric West	erman	
Observer(s) On	Duty:	·	

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

WEEKLY SUMMARY

Dates:0	<u>6 / 15 / 98 - </u>	06 / 21 /	98	Loads: 193-236	
Range of	H ₂ O Temperature:	Surface	62-74 ⁰ F	Below Mid-Depth	60-72 ⁰ F
Area(s) We	orked:Borro	w area B	·		
Are there	incidents involving	endangered o	r protected s _l	pecies? Yes N	0_ <u>x</u>
Comments	(Attach Daily Repor	rts and Inciden	t Reports as n	ecessary):	
	No	sea turtl	es were de	tected killed or inju	ıred
	this week. No	turtles w	ere sighte	d in the area this we	ek.
	Tb	e T.E.D.s	and screen	s remain in working o	order
	and needed no	repairs.	Starting w	rith load 230 the scr	<u>en</u>
				observers is off du	_
				the hopper and damage	
				loors are closed the c	
			_	rid of the big debri	
				ing six on six off so	hedule
	the debris sh				
		-		ly consisted of shell oe crabs, spider cra	
				abs, sea stars, sand	
				ounder, stargazers,	
	and artillery				
			ging is sa	and with small amounts	of .
				taken at the pump-or	
	area by the o	bserver.			
		Br	idge Watch Su	ımmary	
Species	# of Sightings	# of Animals	Comments		
			No si	ghtings	
				····	
					
					
		Eric Wes	terman		
Observers	On Duty:				

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 /	22 / 98 Loads: 237-244
Area(s) Worked	: Borrow area B
Weather Condit	ions: Skies partly cloudy, Winds variable 10 knots, Seas 1'-2'
Range of H ₂ O T	Temperature: Surface 75°F Below Mid-Depth 69°F
Condition of all	screening apparatus: OK
Are there incid	lents involving endangered or protected species? Yes Nox_
Comments (type	e of material being dredged, biological specimens, etc.):
	Samples today consisted of horseshoe crabs,
-	der crabs, blue crabs, clearnose skates, angel shark,
	11, sea stars, flounder, sand dollars, whelk egg cases,
	k and artillery shells. Material digging is sand with
sma	11 amounts of shell.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
	No sightings
	Eric Westerman
Observer(s) On	Duty:

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 / 25 /	•
Area(s) Worked:	BORROW AREA B
Weather Conditions:	CLEAR to PARTLY CLOUDY, WIMPS NW 0-15Kts, Seas)
Range of H ₂ O Tempera	ature: Surface 77°F Below Mid-Depth 72°F
Condition of all screen	ing apparatus: Good CONDITION
Are there incidents in	volving endangered or protected species? Yes No
Comments (type of ma	terial being dredged, biological specimens, etc.): Jobo Klement
	THE SHIP AT 10:00 AM. 1st week
-	OAK 1200-1800 \$ 0000-0600. THE
	3 TAKEN TODAY were: Crass (spider & horsechoe)
flow per	, whelks, sea stars, sand doctors, conch,
	EL SHARK, II CLEARHOSE SKATES, rock, & ARTILLER
DEBRIS.	
THERE	WERE HO TULTLES TAKEN OR INJURED
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
opecies	7 of Signtings # of Annuals Comments
Observer(s) On Duty:_	JUDD Klenent

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06/24/98 Loads: 253,254, 257, 258
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR TO CLOUDY, SLOTT WINDS, SEAS 1-345
Range of H ₂ O Temperature: Surface 78° F Below Mid-Depth 72-74° F
Condition of all screening apparatus: GOOD CONDITION
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE WITHE NO TURTUES TAKEN, INJURED OR
SPOTTED TODAY
THE SPECIMENS CONSISTED OF: Crass (spider &
horseshoe & blue, whelk, conch, trash, whelk
CASINGS, 29E ANGEL SHARK, 18 CLEARMOSE SKATES
& CO S GALLON BULKETS OF ROCK & ARTHURRY
DEBRIS WERE TAKEN FROM THE CAGES.
THE MATORITY OF MATERIAL DREDGED WAS
SAND & SHELL DEBRIS
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: JUDD Klement

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06/25/9	18 Loads: 261-262, 264-265
Area(s) Worked:	BORROW AREA B
Weather Conditions:	CLEAR, LIGHT WINDS, SEAS 0-3AL
	ure: Surface 79 - 80° F Below Mid-Depth 70 - 78° F
Condition of all screening	ng apparatus: GOOD CONDITION
-	
Are there incidents invo	olving endangered or protected species? Yes No
Comments (type of mate	erial being dredged, biological specimens, etc.): NO TURTUES
WERE, I	HJURED, KILLED OR SEEN TODAY
THE MAJO	DRITT OF THE MATERIAL DREDGED WAS
	MD SHELL MATERIAL.
THE BI	COLOGICAL SPECINEUS TAKEN WERE CASS(spide
	se), whelk casings, couch, flouriew, hermit
	whelk casinics, bernis casos, LG. STARGAZE
· · · · · · · · · · · · · · · · · · ·	NOSE SKATES E 2 5 GALLON BUCKETS
DF ROU	c & ARTILLANY DEBRIS
The state of the s	 -
	The state of the s
	Bridge Watch Summary
Species #	of Sightings # of Animals Comments
	
Observer(s) On Duty:	JUDO Klemenk

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 / 26 / 98 Loads: 268 - 270, 275 - 279
Area(s) Worked: BORROW AREA B'
Weather Conditions: CLEAR LIGHT WINDS, SEAS 1-3 Pt
Range of H ₂ O Temperature: Surface $74-77°$ Below Mid-Depth $66-73°$ C
Condition of all screening apparatus: GOOD CONDITION
Are there incidents involving endangered or protected species? Yes No_X
Comments (type of material being dredged, biological specimens, etc.):
THERE WERE NO TURTLES TAKEN, SEEN, OR
INJURED TODAY
THE MATORITY OF THE MATERIAL DREDGED WAS
SAND & SHELL MATERIAL.
THE BIOLOGICAL SPECIMENS TAKEN TODAY
WERE CLASS (SPIDER & hoeseshoe), couch, wood,
& Flowders, whelk casings sand Dochars, 17
CLEARNOSE SPATES, 3 STARGATERS, 2 ANGEL SHARKS
3 5 GALLON BUCKETS OF ROCK & ARTILLERY
DEBRIS.
Two RIB PIECES & PART OF A PLASTRON
CHGES
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: JUDD Klenent

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 / 27 / 98 Loads: 277-278, 280-282
Area(s) Worked: BORLOW AREA B
Weather Conditions: CLEAR, LIGHT WINDS, SEAS 0-3 ft
Range of H ₂ O Temperature: Surface 72°F Below Mid-Depth 66-68°F
Condition of all screening apparatus: 600 CONDITION
Are there incidents involving endangered or protected species? Yes NoX Comments (type of material being dredged, biological specimens, etc.):
THE TYPE OF MATERIAL DREDGED CONSISTED
MAINLY OF SAND & SHELL MATERIAL
THERE WERE HO TURTLES SIGHTED, TAKEN, OF
INJURED TOPAY
THE BIOLOGICAS SPECINUM TO CONSISTED OF
CRASS (SPIDER & HORSESHOE), CANCH, WHELK CASINGS, 3
STARGAZERS, 12 BLEARNOSE SCATES, & 4 plus
DEBRIS.
DEIDAECS.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: JUDD KLENENT

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06/2	8/98 Loads: 284-286, 288-289
	BORROW AREA B
Weather Condition	DIS: STARTED CLEAR W/ AFTERWOOD T-STORMS, LIGHT - MODERATE CUIS
Range of H ₂ O Te	emperature: Surface 78-80° F Below Mid-Depth 72° - 78° 51-6+
	screening apparatus: 6000 COMMITION
Are there incide	nts involving endangered or protected species? Yes No_X
Comments (type	of material being dredged, biological specimens, etc.): No TURTLES
WERE	INJURED, KILLED, OR SEEN TOPAY.
	MAJURITY OF MATERIAL DREDGED WERE
SANI	AND SHELL MATERIAL.
	BIOLOGICAL SPECIMENT TAKEN WERE
CRAB:	5 (spider & horsestoE), conch, a ANGEL
_	(21/2-31), ADRIGO 25 CLEARMOSE SKATES, AMD
	eny nickcoates of Rock AND ARTILLERY
DEBA	<u> </u>
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
Species	# of Signtings # of Animals Comments
Observer(s) On D	outy: JUDD Klenent

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 06 / 29 / 98 Loads: 292-293, 295-297
Area(s) Worked: BOLLOW AREA B
Weather Conditions: Overlast & PARTLY CLOUDY, SEAS 1-6ft WINDS SE 15-25K
Range of H ₂ O Temperature: Surface 76-78°F Below Mid-Depth 64-74°F
Condition of all screening apparatus: Good Condition
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.): THERE WELL NO
TURTLES FAJURED, KILLED OLSEEN TOLLY.
THE MAJORITY OF THE MATCHAE BRING DREDGED IS
SAND WITH SOME SHELL MATERIAL.
THE MATURITY OF THE BIOLOGICAL SPECIMUS ARE
spider & harse crass, couch, whelk crows sand Dozines,
48 clearnose skates flowder, 7 stalenters 2 ANGEL
SIMPLES (2'-4') & 8 MILKOFATES FULL WITH
ROUR & MILLOW DEBRIS.

•
Pridge Watch Summery
Bridge Watch Summary Species # of Sightings # of Animals Comments
Species # of Sightings # of Animals Comments
Observer(s) On Duty: Joo Klenont

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

WEEKLY SUMMARY

Dates: 06 /22 /98 - 06 /29 /98 Loads: 23+-29+
Range of H ₂ O Temperature: Surface 72-80°F Below Mid-Depth 64-78°F
Area(s) Worked: Borrow AREA B
Alca(s) Worked.
Are there incidents involving endangered or protected species? Yes No
Comments (Attach Daily Reports and Incident Reports as necessary): THERE WERE TO
TURTLES KILLED, INJURED OF SIGHTED THIS WEEK
THE SCREENING APPARATUS IS WORKING WELL
AND THE MAJORITY OF THE MATERIAL BEING
PREDGED IS SAND WITH Some SHELL MATERALY
TEMPERATURE WERE TAKEN AT THE DUMPSITE BY
THE OBSERVE.
THE MAJORITY OF THE BIOLOGICAL SPECIMENS WERE
CABS (spar & horce shoe), SAUD &, WHIK (ASINGS, LONCH, LASH, FLOUNDER, STARGAZERS, ANGER SHARKS
Lanch, trast, Flourder, STARGAZERS, ANGER SHARKS
AND CLEARNOSE SKATES.
THIS WEEK I WORKED DOOD - 0600 & 1000 BOOD 18
OFFO-1200 \$ 1800-000.
0690-1200 4 1000-1600:
THERE WAS 16 S GALLON BUCKETS OF ROCK AND
ARTILERY DEBEIS AS WELL AS 13 CRATES OF
THE SAME MATERIAL TAKEN FROM THE CAGES
AND Dunged over board while on THE
WAY TO THE PUNCING STATION.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
——————————————————————————————————————
- - - -

\
Observers On Duty: JUDD Klement

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: O6/	30 98 Loads: 300, 301, 304, 305
Area(s) Worked	1: BOLLOW ADEA B
Weather Condi	tions: Pty clavor w/ LATE T-STORMS, WINDS SW 5-35Kts, SEAS 1-1
Range of H ₂ O	Temperature: Surface 12°F Below Mid-Depth 66°F
Condition of all	l screening apparatus: GOOD COHDITION
Are there incid	lents involving endangered or protected species? Yes No
Comments (type	e of material being dredged, biological specimens, etc.):
THER	LE WERE HO TURTLES KILLED, INJURED, OV
	-HTED TODAY. THE MATORITY OF THE MATERIA
DLE	DOED WAS SAND WITH SOME SHELL
	Terial.
	= MAJORITY OF THE BIOLOGICAL SPECIMENS
	RE: CRABS (spider & horsesites), whelk
CAS	inos, couch, sand DOLLARS, trasit, wood,
a_	ANGEL SHARKS & 29 CLEARNOSE SKATES,
STA	roazer & sea stars.
	2 1/
	3 1/2 CRATES OF rock & ARTILLERY
	EBRIS WERE TAKEN FROM THE CAGES
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
-/-/)
Observer(s) On	Duty: Tunn Flement

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07 /01 / 78 Loads: 308 - 309, 318
Area(s) Worked: Bollow AREA B
Weather Conditions: CLEAR -> PARTY CLOSY WINDS 0-20 KG, SEAS 1-3 Ft
Range of H ₂ O Temperature: Surface 75-78°F (73°F) Below Mid-Depth 68-78°F (73°F)
Condition of all screening apparatus: Good CONDITION
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE IS WERE NO TURTUES INJURED, KILLED OR SIGHTER
Tabay.
THE MAJORITY OF THE MATERIAL DEDGED WAS SAND &
sitell.
THE BIOLOGIAGE Spacement TOKEN WERE COARS (Sychor & horsest
courty cano bount whelk casings, stargater and
26 clearvose skates
THERE WAS ALSO 12 CROSES OF ROCK & ARTILLERY
DEBRIS THKEY DROW THE CAGES, THE MATERIAL
was pumped our THE side on title wat TO
THE Pump out STATION
THE SHIP WENT DOWN AT 21130 - 2345
D-11. W + 1.0
Bridge Watch Summary Species # of Sightings # of Animals Comments
Species # of Sightings # of Animals Comments
Observer(s) On Duty: Judy Kleneur

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07 / 02 / 98 Loads: 314-316, 318-319
Area(s) Worked: Borkon AREA B
Weather Conditions: CLEAR WINDS N 0-10Kts, SEAS 1-3ft
Range of H ₂ O Temperature: Surface 76° F Below Mid-Depth 64-68° F
Condition of all screening apparatus: Good Condition
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.):
TO DAY. THE MAJORITY OF THE MATERIAL BEING DREDGED
WAS SAND W/ SOME SIKLL MATCHAL THE TEMPERATURES
WERE DAKEN AT THE DUMPSITE BY THE OBSERVER
THE NATURITY OF THE BLOLOGICAL SPECIMENT WERE
crass (spicer & lossestoe), while consider, conch, SAND DOLLARS,
mermais purses, 3 standarus, 23 LIEARNOSE SKATES, 3
ANGEL SHARKS (1-3'), FLOUNDER & 10 CRATES OF
POCK AND ARTILLERY DEBRIS. THE ROCK & ARTILLERY
DEBRIS WERE DUMPED OVERBOARD ON THE WAY TO THE
Pumpine STATION.
SIX DOLPHING WERE SPOTTED 300 yes OFF THE BEACH
Bridge Watch Summary
Species # of Sightings # of Animals Comments
TE 0 300 yds OFF THE BEACH ON AT 1140
Observer(s) On Duty: Judo Klement

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07 103 198 Loads: 323-324
Area(s) Worked: Bollow Alex B
Weather Conditions: CLEAR WINDS SE 0-15Kts, Sets 1-3ft
Range of H ₂ O Temperature: Surface 72° 15 Below Mid-Depth 68° 15
Condition of all screening apparatus: Good CONDITION
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE WERE NO TORTLES INJURED KILLEY OR SIGNATED DODAY THE MATORITY DE THE MATERIAL BEING- DREDGES WAS SAND WI SOME SHELL MATERIAL. TEMPORATURES WERE TAKEN AT THE DUMPSITE BY THE OBSERVER THE MATTORITY OF THE BIOLOGICAL SPECINONS TAKEN WERE (RADS (SPIDER & HORSESHOE, SAND DOWARS CONCH, WHILE CASINGS, U STAR GAZERS TO CIEARNOR SLATES, ALSO SIX SCALLON BOXCETS OF ROCK & ARTILLERY DEPRIS WAS TAKEN FROM THE CAGES THOD DUMPOUT STATION THE SHIP WAS OFFLINE FROM 0000-1200 & 2200—
Species # of Sightings # of Animals Comments
Observer(s) On Duty: UDD FRM

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07,04,98 Loads: 326-327, 329-330
Area(s) Worked: BOLDOW AREA B
Weather Conditions: Class-s overcast, winds 0-25/25, seeks 0-6ft
Range of H ₂ O Temperature: Surface 71-76° F (73.5 Below Mid-Depth 61-64° F 66
Condition of all screening apparatus: Good CONDITION
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE WERE NO TUPTLES INTURED, KILLED, OR SIGHTED
TODAY THE MAJORITY OF THE MATERIAL BEING
DLEDGED WAS SAND WITH SOME SHELL .
TEMPERATURES WELE TAKEN AT THE DUMPSITE
BY THE OBSERVER
THE MATORITY OF THE BIOLOGICAL SPECIMENT
THERE WERE CRASS (norse & spider), SAND DOLLASS,
CONCHIMENTER SCHENNIER IS CLERENCE
SKATES 2 ANGEL SHARKS (21/2-41).
51/2 FACE GALLON BUCKETE CORD OF
ROCK & ALTICLERY MATERIAL WAS TAKEN
FROM THE CAGES AND DOMPED EN ROUTE
TO THE PUMPING STATION.
Bridge Watch Summary
Species # of Sightings # of Animals Comments

Observer(s) On Duty: JUDD Klenest

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07 / 05 / 98 Loads: 333-334,6 336-337
Area(s) Worked: BOLLOW AREA B
Weather Conditions: OVECAST DECONING CLEAR WINDS F. S-20Kts Sens 1-
Range of H ₂ O Temperature: Surface 60276° = (68) Below Mid-Depth 59476° (67.5)
Condition of all screening apparatus: ONE OF THE (NOS) BARS HAD BROKEN
OFF IN THE STUD AFT CAGE. IT WAS FIXED
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE WERE NO TURTLES INTIMED KILLED
OR SIGHTED TODAY. THE MATURITY OF THE MATRIAL
BEING PREDGED WAS SAND & SOME SHELZ
MATERIAL TEMPERATURES WERE TAKEN BY
THE OBSERVED AT THE DUMPSITE. THE
MAJOR OF THE BIOLDERAL SPERINEUS
well (SABS (Spide thorseshoe), conch,
SAND St. whele casinos, wood, 2 mose
SARCS (2Ft & 3 b Ft) Flowder & 15 Electrons
ASIO 8 FAR GALLON BULLETO OF COCK & SETTLERPY
FROM THE CAGES AND DUDGED OUERBOARD
AT THE PUMPING STATION
Bridge Watch Summary
Species # of Sightings # of Animals Comments
<u> </u>
Observer(s) On Duty: JUDD Klenewi
Observer(s) On Duty: JUD KROWI

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07/06/98 Loads: 339-340, 343-344
Area(s) Worked: Bollow Area B
Weather Conditions: CLERR, WINDS NE - 5-25Kts, seas 1-6ft
Weather Conditions: CLEAR, WINDS NE JE - S-2SKts, SOAS 1-6ft Range of H ₂ O Temperature: Surface 76 + 75° (75°) Below Mid-Depth 70 + 71° (Aug
Condition of all screening apparatus: 6000 Condition
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE WELL AN THILES INTURED, KILLED OR SIGHTER TODAY. THE NATURALLY OF THE MATERIAL BRING PREDGED WAS SAND AND SOME SHELL TEMPERATURES WERE TAKEN AT THE PUMPOUT SITE BY THE OBSULU THE MATURITY OF THE BIOLOGICUM SPECUMS CONSISTED OF CROSS (Spidy & HOUSETHER), SAND DULANT, COUCH, WHILK CASINGS, Florman, IS CLEARNESS SKATES, & 3 STANDARDS TIZ FIRE GALLON BUCKETS OF MOCK & ARTILLDRY DEBRIS COUCH FROM THE CAGES WAS DUMPED OVER BOOKD (ON THE WAY TO) OF
AT THE Pumpout SITE
Species # of Sightings # of Animals Comments

Observer(s) On Duty: JUDN Kknewt

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

WEEKLY SUMMARY

Dates: $06/30/98 - 07/06/98$ Loads: $300-34-4$
Range of H ₂ O Temperature: Surface 72.5° (AVG.) Below Mid-Depth 67.5° (AVG.)
Area(s) Worked: BORROW AREA B
Are there incidents involving endangered or protected species? YesNo
Comments (Attach Daily Reports and Incident Reports as necessary):
THERE WERE HE TURTLES INJURED KILLED OF SIGHTED
THIS WELK. THE MAJORITY OF THE MATERIAL DUG WAS
SAND VITH LIGHT AMOUNTS OF SOME MATERIAL TEMPERATURES
WERE PAKEN AT THE PUMPOUT SPATION BY THE OBSERUM AND
AN AVENAGE WAS USED. THERE WAS SOME SHIP DOWN
TIME DUR TO SOME PROBLEMS IN THE HOPPER
THE MASTERITY OF THE BLOZOGICAL SECUNDS WERE CLASS.
(spider & horseshoe), sand Dollars, schones, couch, whalk
cosines, mermoro purses, wood, FLOWDER, 7 ANGEL SHAWS (1-41)
130 chanose suares & 12 stargazers.
49/2 five GALLOW BUCKETS OF ROCK & ALTICLERY DEBRIS
TAKEN From THE CAGES WAS Dunped ourboard AT.
the pumposit station or one the just. Also, one of the cross bors in the stad FORE
CHOR CAME OFF AND WAS PIXED WITHOUT BY HOUR.
THE CHARLES OF PORTION OF THE PROPERTY OF THE
Bridge Watch Summary
Species for Sightings # of Animals Comments
TE 1 6 ABOUT SOO yds OFF SHOEE AT 1140 AM
070298
Observers On Duty: V UDD KIRMENT

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07/07/98 Loads: 345
Area(s) Worked: Bollow Alex B
Weather Conditions: CLEAR NW 5-10 Kts, seas 1-3ft
Range of H ₂ O Temperature: Surface N/C Below Mid-Depth N/C
Condition of all screening apparatus: Good CONDITION
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THE OBSAINE (AMEDY WATCH AT 0600, THE
VESSEL WAS ON ITS WAY TO FUEL IN NORFOLK
THORE WERE NO TURTLES PARTS OR TURTLES IN
THE CHOS. THE MATORITY OF THE BLOCOGICAL
Specimens were conch, sand Doubes, CABS
(SPIDER & HUSESHOE), 30 CLEARNOSO SVATES, & ONE
STARGYZER WE MRIVED BACK AT THE
DIGGING SIGHT AND STARTED DIGGING
AT 2319. TEMPERATUS WERE NOT TAKEN
TODAY.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: Show Renewal
OUGGLYCI(S) OIL DULY.

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07/08/98 Loads: 348-350
Area(s) Worked: BORROW AREA B
Weather Conditions: OUERCAST, WINDS SOU O-15145, SEAS 13 FE
Range of H ₂ O Temperature: Surface 73° - 74° = $(73^{\circ}$ = Auc) Below Mid-Depth $70-73^{\circ}$ = $(71^{\circ}$ = 90°)
Condition of all screening apparatus: Good Compition
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.):
THERE AWERE HO TURTLES INJURED, KILLED, OR SIGHTED
TOOKY, THE MASORITY OF THE MATERIAL BEING DRENGED
WAS CHAD WITH SOME SHELL MATERIAL TEMPERATURES
WERE TAKEN AT THE DUMPSITE DY THE OBSERVER.
THE MATTURITY OR THE BIOLOGICAL MATERIALS WERE
COARS (SPIDER & HOUSESHOE), CONCLY SAME DOLLARS , whelk
CASINGS & FLOUNDER, 14 CLEARNOSE SKATES, ? 7
STARGAZECC.
FOUR 5 GALLON BUCKETS OF ROCK & ARTILLERY
DEDRIS TAKEN FROM THE LAGES WAS DUNDED
CUERTONES ALONG WITH A 3' SECTION OF WHAT
APPEARS TO THE A MISSILE.
DIGGING STOPPED FROM @ 0920 WILL
(2) 1800 DUR TO OCCUPATIONS THE PUMPING
STATION BEING MONEY
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tt. 1 6 @ 1900 3/4 mile OFFSHORE SHOWING FERDING DEM
Observer(s) On Duty: JUDD KLEMENT

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07/09/98 Loads: 354-354, 354-358
Area(s) Worked: Books Alex B
Weather Conditions: Overtas Fram- Clear (Pm), wins HNW-S-20 Kts Seas 1-4 ft
Range of H ₂ O Temperature: Surface , 73 F Below Mid-Depth 70 F
Condition of all screening apparatus: Good Condition
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
THERE WERE NO TURTUES INJURED, KILLED, OR
SIGHTED DON' THE MARRITY OF THE MATERIAL
TAKEN WAS SAND WITH SOME SHELL MATERIAL.
TEMBERTURES WERE TAKEN AT DUMPS DE
BY THE OBSERVER, THE MATURITY OF THE
BIBLOCICAT FORCINGUES WERE CLASS (SPIAN EHORSES
SAND BS, WHELK CASINGS, NERMAID PURSES, CONCH.
4 FLOWDER, 2 STARCATERS, 42 CLEARNESS SIATES, 31/2 ANGEL SHARK ! 2 STARCEARS, ALSO 91/2 FOR
GALLOW BULLETS OF RECK ? ALTHORY MIGHT
THREN FROM THE CAGES TODAY WAS
DUMPED WERBOARD ON THE WAY & AT THE
Dum Pumpat STATION (Some Alternate POU CANNERS)
MICH FROM + DRAG ARM.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: JUDN Blement
Observer(s) On Duty: Server(s) On Duty:

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07 / 10	<u>/ 98</u> Lo	oads:
Area(s) Worked:	Borro	ow area B
Weather Conditions	s:Skies mos	stly clear, Winds calm to light airs, Seas calm
		ce
Condition of all scr	eening apparatus:	OK
Are there incident	s involving endar	ngered or protected species? Yes No_ X
Comments (type of	_	redged, biological specimens, etc.):
		today consisted of horseshoe crabs,
		spider crabs, shell, stargazers, rocks,
		whelk egg cases and artillery shell. Material
diqqin	g is sand wit	th small amounts of shell.
· · · · · · · · · · · · · · · · · · ·		
		Bridge Watch Summary
Species	# of Sightings	s # of Animals Comments
		No sightings
Observer(s) On Dut	y:Eric	Westerman

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date:07	/ 11 / 98 Loads: 367-373
Area(s) W	/orked:Borrow_area_B
Weather (Conditions: Skies variable, Winds northerly 10-20 knots, Seas 2'-4'
Range of	H ₂ O Temperature: Surface 740F Below Mid-Depth 720F
Condition	of all screening apparatus: OK
Are there	incidents involving endangered or protected species? Yes NoX_
Comment	s (type of material being dredged, biological specimens, etc.):
	Samples today consisted of horseshoe crabs,
	blue crabs, spider crabs, lady crabs, flounder, whelks,
	clearnose skates, stargazers, rocks, trash and artillery
	shells. Material digging is sand with small amount of shell.
	Observers hours are 6-12, 1800-2400.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
	No sightings
	Eric Westerman
Observer(s	s) On Duty:

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: 07/	<u>12 / 98</u> Lo	ads:	374-380	
Area(s) Worked	d: <u>Borrow ar</u>	rea B		
Weather Condi	tions: Skies pa	rtly cloudy	y, Winds light airs, Seas	1'-3'
			Below Mid-Depth	
			ζ	
	<i>5</i> TI			
Are there inci	dents involving endan	gered or protec	cted species? Yes	Nox
Comments (typ	e of material being dre	edged, biologica	l specimens, etc.):	
	Sam	oles today	consisted of angel sharks	5,
			, blue crabs, whelks, she	
f1c	ounder, stargaze	rs, rocks a	nd artillery shells. Cage	es
ren	main closed 24 ho	ours a day.	Material digging is sand	đ
wit	th small amounts	of shell.		
	,			
	·			
				
	· · · · · · · · · · · · · · · · · · ·			
	<u></u>		····	
		Bridge Wa	itch Summary	
Species	# of Sightings	_	•	
Species	# of Signings	# Of Attitials	Comments	
			No sightings	
	Eric Wes	terman		
Observer(s) On	Duty:			

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

WEEKLY SUMMARY

Dates: 07	/ 07 / 98 -	07/12/	98	Loads:	345-380	
Range of H	H ₂ O Temperature:	Surface	72-76 ⁰ F	F	Below Mid-Depth	70-72 ^O F
Area(s) Wo	rked: Borro	w area B				
Are there is	ncidents involving	endangered or	protected sp	ecies?	Yes N	NoX_
Comments	(Attach Daily Repo	rts and Incident	Reports as no	ecessary)	:	
		No turtle	s were de	<u>tected</u>	killed or inj	ured
t	his week. No	<u>turtles wer</u>	e sighted	this	week.	
	·	The scree	ns and T.	E.D.s	have remained	in
	vorking order.	The inflow	cages re	main c	losed all the	time.
	Samples this w	eek have ma	inly cons	isted	of horseshoe c	rabs,
	spider crabs.	whelks, blu	e crabs,	<u>clearn</u>	ose skates, sh	e11,
	=				k egg cases, r	
	and artillery	shells. Mat	erial diq	ging i	s sand with sm	a11
	mounts of roc					
		Observers	hours ha	ve bee	n from 600-120	0,
1	1800-2400. The				y for fuel.	
					— 1	
						
		Brid	ige Watch Su	mmarv		
Species	# of Sightings		-	***************************************		
_Tt				ttleno:	se dolphins	
				DOTCHOO	oc colpiilio	
		· · · · · · · · · · · · · · · · · · ·				
						
		·				
.		c Westerman	, Judd Kle	ement		
Observers C	On Duty:					

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Area(s) Worked: Borrow area B Weather Conditions: Skies partly cloudy, Winds SE 10 knots, Seas 1'-2' Range of H,O Temperature: Surface 76°F Below Mid-Depth 73°F Condition of all screening apparatus: OK Are there incidents involving endangered or protected species? Yes No X Comments (type of material being dredged, biological specimens, etc.): Samples today mostly consisted of whelks, spider crabs, horseshoe crabs, clearnose skates, flounder, blue crabs, sand dollars, sea stars, shell, rock and artillery shells. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman Observer(s) On Duty:	Date: 07 / 13	<u>/ 98</u> Lo	ads: <u>381-</u>	388
Range of H ₂ O Temperature: Surface 76°F Below Mid-Depth 73°F Condition of all screening apparatus: OK Are there incidents involving endangered or protected species? Yes No X Comments (type of material being dredged, biological specimens, etc.): Samples today mostly consisted of whelks, spider crabs, horseshoe crabs, clearnose skates, flounder, blue crabs, sand dollars, sea stars, shell, rock and artillery shells. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman	Area(s) Worked:	Borrow are	а В	
Condition of all screening apparatus: Are there incidents involving endangered or protected species? Yes NoX_ Comments (type of material being dredged, biological specimens, etc.):	Weather Conditions:	Skies par	tly cloudy,	Winds SE 10 knots, Seas 1'-2'
Condition of all screening apparatus: Are there incidents involving endangered or protected species? Yes NoX_ Comments (type of material being dredged, biological specimens, etc.):	Range of H ₂ O Tempe	erature: Surface	76° _F	Below Mid-Depth73°F
Comments (type of material being dredged, biological specimens, etc.): Samples today mostly consisted of whelks. Spider crabs, horseshoe crabs, clearnose skates, flounder. blue crabs, sand dollars, sea stars, shell, rock and artillery shells. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Comments (type of material being dredged, biological specimens, etc.): Samples today mostly consisted of whelks. Spider crahs, horseshoe crahs, clearnose skates, flounder, blue crabs, sand dollars, sea stars, shell, rock and artillery shells. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Samples today mostly consisted of whelks, spider crabs, horseshoe crabs, clearnose skates, flounder, blue crabs, sand dollars, sea stars, shell, rock and artillery shells. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman	Are there incidents	involving endan	gered or protec	cted species? Yes NoX
Spider crabs, horseshoe crabs, clearnose skates, flounder, blue crabs, sand dollars, sea stars, shell, rock and artillery shells. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman	Comments (type of n	naterial being dre	dged, biologica	l specimens, etc.):
Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman		Sam	ples today	mostly consisted of whelks,
Species # of Sightings # of Animals Comments Species # 1 14 Spotted dolphins Eric Westerman	•	•		
Bridge Watch Summary Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman	shells	. Material d	igging is s	and with small amounts of shell.
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman		<u> </u>		
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman				
Species # of Sightings # of Animals Comments Sf 1 14 Spotted dolphins Eric Westerman			Bridge Wa	utch Summary
Sf 1 14 Spotted dolphins Eric Westerman	Species	# of Sightings	_	•
Eric Westerman	-	0 0		
-				
-				
				
		Eric Wester	man	
	Observer(s) On Duty:	-		

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date:	<u>)7 / 14 / 98</u>	Loads:	i	389-	-395
Area(s) V	Worked:	Borrow are	a B		
Weather	Conditions:s	kies part	ly cloud	y, Winds	SE 10-15 knots, Seas 1'-3'
Range of	H ₂ O Temperature:	Surface	76°F		Below Mid-Depth 73°F
				<u></u>	
Are ther	e incidents involvi	ng endanger	ed or protec	eted species	? Yes Nox
Commen	ts (type of material		·	=	etc.):
					d with small amounts
					norseshoe crabs, whelks,
					learnose skates, shell,
	angel shark	blue cra	bs and a	rtillery	shells.
				. <u>———</u> -	
					
				·	
	· · · · · · · · · · · · · · · · · · ·			_ 	
		· 	·		
				<u> </u>	
			-		
			Bridge Wa	tch Summar	<u>,</u>
Species	# of S	Sightings # c	of Animals	Comments	
Tt		<u> </u>	60	Во	ttlenose dolphins
				 -	
		ic Wester	man		
Observer	(s) On Duty:				

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date:	<u>07 / 15 / 98</u>	Loa	ds:	396-402	
Area(s)	Worked:	Borrow	area B		
Weather	Conditions:	kies clou	dy, rain,	Winds E 10-15 knots, Seas 2'-3'	
Range of	f H ₂ O Temperatur	re: Surface_	750g	Below Mid-Depth 73°F	
	n of all screening				
Are then	re incidents invol	ving endang	ered or protec	ted species? Yes NoX_	
Commen	nts (type of mater	ial being dred	lged, biological	specimens, etc.):	
			Camples tod	ay consisted of clearnose	
	····			angel shark, shell, rock,	
	flounder,	horseshoe	crabs, b1	ue crabs and artillery shells.	
	Material d	ligging is	sand with	small amounts of shell.	
					
				<u></u>	
			<u> </u>		
			Bridge Wa	tch Summary	
Species	# c	f Sightings	# of Animals	Comments	
				No sightings	
		ic Western	man		
Observer	(s) On Duty:				

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: (7 / 16 / 98 Loads: 403-409
	/orked:Borrow_area B
	Conditions: Skies cloudy, rain, Winds S 10-15 knots, Seas 2'-3'
Range of	H ₂ O Temperature: Surface 75°F Below Mid-Depth 73°F
	of all screening apparatus:OK
Are ther	e incidents involving endangered or protected species? Yes NoX
Commen	s (type of material being dredged, biological specimens, etc.):
	Samples today mainly consisted of whelks,
	horseshoe crabs, spider crabs, clearnose skates, flounder,
	angel shark, blue crab, rocks and artillery shells. Material digging is sand with small amounts of shell.
	digging is sand with small amounts of shell.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
-	Eric Westerman
Observer	s) On Duty:

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: <u>07 / 17 /</u>	<u>98</u> Lo	ads:	410-416
Area(s) Worked:	Borrow a	rea B	
Weather Conditions:_	Skies c1	oudy, rain,	Winds SW 5-10 knots, Seas 1'-3'
Range of H ₂ O Temper	rature: Surface	76 ⁰ F	Below Mid-Depth72°F
Condition of all screen	ning apparatus:_	OK	
			
Are there incidents i	nvolving endan	gered or protec	eted species? Yes No_x
Comments (type of m	_	•	l specimens, etc.):
	Samples	continue to	consist of mainly whelks,
horsesho	oe crabs, sp	oider crabs.	lady crabs, shell, flounder,
angel sh	arks, starg	azers, rock	and artillery shell. Observers
			-1200, 1800-2400. The cage doors
remained	closed all	the time.	
			
			
	.		
	<u></u>		
		Bridge Wa	tch Summary
Species	# of Sightings	-	· · · · · · · · · · · · · · · · · · ·
opecies -	" Of Signaings	" Of Fillings	No sightings
	Eric Wes	terman	
Observer(s) On Duty:			

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date:0	<u> 17 / 18 / 98</u> Lo	oads:	417-422
Area(s) W	orked: Borrow a	area B	
Weather (Conditions: Skies mo	ostly cloudy	, Winds light airs, Seas calm
Range of	H ₂ O Temperature: Surfac	e76 ^O F	Below Mid-Depth 73°F
Condition	of all screening apparatus:	ок	
Are there	incidents involving endar	ngered or protec	cted species? Yes NoX_
Comments	s (type of material being dr	edged, biologica	d specimens, etc.):
	Samp:	les today co	ensisted of whelks, flounder,
	clearnose skates,	spider crab	os, horseshoe crabs, sea stars,
	sand dollars, lady	y crabs, sta	rgazers, wood, rock and artillery
	shells. Material o	digging is s	and with small amounts of shell.
			· · · · · · · · · · · · · · · · · · ·
		Bridge Wa	atch Summary
Species	# of Sightings	# of Animals	•
opeoies -	" or orginings	" Of Timmers	No sightings
	Eric Wester	rman	
Observer(s	s) On Duty:		

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: <u>67 / 19</u>	<u>∕ 98</u> Lo	oads:	423-429
Area(s) Worked:	Borr	ow area B	
Weather Conditions:	Skies p	artly cloud	y, Winds SE 5-15 knots, Seas 1'-3'
Range of H ₂ O Tempe	erature: Surface	e <u>77⁰F</u>	Below Mid-Depth73°F
Condition of all scree	ening apparatus:		0К
Are there incidents	involving endan	ngered or prote	cted species? Yes Nox
Comments (type of n	_	_	al specimens, etc.):
			mainly consisted of horseshoe crabs,
-	-		lks, sand dollars, shell, flounder,
_			rocks and artillery shells. Material
organia	IS Sand WI	<u>EN SMAIL AM</u>	ounts of shell.
			
			
		<u></u>	
		Bridge Wa	atch Summary
Species	# of Sightings	# of Animals	·
			No sightings
Observer(s) On Duty:	Eric Weste	rman	

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

WEEKLY SUMMARY

Dates:	07 / 13 / 98 -	07 / 19 /	98	Loads:	381-42	9
Range of	H ₂ O Temperature:	Surface	75-770F	Below I	Mid-Depth	72-73°F
Area(s) V	Worked:E	orrow area	В			
Are ther	e incidents involving	endangered or	protected spec	cies? Yes_	N	lo_ <u>х</u>
Commen	ts (Attach Daily Repo		Reports as nec			
	injured this w					
		The in	flow cage	doors rema	in closed	at
	all times. Thi	s is to pre	event any d	amage to t	he hopper	
	doors from any			•		
	screens remain	in good wo	orking orde	r. Samples	this wee	<u>k</u>
	have mainly co					
	clearnose skat	-				
	angel sharks,		shell, sa	nd dollars	, rocks a	nd
	artillery shel		7	. 1	1	
	0600 1200 100		ers hours			
	0600-1200, 180		_			
	taken at the p	ump-out sta	teron by the	<u>e observer</u>	•	
						
	· · · · · · · · · · · · · · · · · · ·		······································			
-, -, -, -, -, -, -, -, -, -, -, -, -, -					·····	

		Bri	ige Watch Sum	mary		
Species	# of Sightings	# of Animals	Comments			
<u>Tt</u>	1	60	Bot	ttlenose d	olphins_	
Sf	1	14	Spo	otted dolp	hins	
				······		
						
						
	Eri	c Westerman	ı			
Observer	s On Duty:					

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

	Date: 07 /	<u>20 / 98</u> Lo	ads:	430-435
Range of H ₂ O Temperature: Surface 74°F Below Mid-Depth 72°F Condition of all screening apparatus: 0K OK	Area(s) Worked	Borrow ar	ea B	
Condition of all screening apparatus:OK Are there incidents involving endangered or protected species? Yes Nox_ Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of mainly whelks, clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Opecies # of Sightings # of Animals Comments	Weather Condit	ions: Skies par	tly cloudy,	Winds SW 10-15 knots, Seas 1'-3'
Condition of all screening apparatus:OK Are there incidents involving endangered or protected species? Yes Nox_ Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of mainly whelks, clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Opecies # of Sightings # of Animals Comments	Range of H ₂ O T	'emperature: Surface	e74 ^C	Below Mid-Depth 720F
Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of mainly whelks, clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments				
Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of mainly whelks, clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments				
Comments (type of material being dredged, biological specimens, etc.): Samples today consisted of mainly whelks, clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments				
Samples today consisted of mainly whelks, clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments	Are there incid	ents involving endan	gered or prote	cted species? Yes Nox_
Clearnose skates, shell, horeseshoe crabs, spider crabs, flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments	Comments (type	of material being dre	edged, biologica	ıl specimens, etc.):
flounder, stargazers, sand dollars, rocks and artillery shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments			Samples to	day consisted of mainly whelks,
shells. Observers hours continue to be from 0600-1200, 1800-2400. Material digging is sand with small amounts of shell. Bridge Watch Summary Species # of Sightings # of Animals Comments	c1	earnose skates,	shell, hor	eseshoe crabs, spider crabs,
Bridge Watch Summary Species # of Sightings # of Animals Comments	f1	ounder, stargaz	ers, sand d	ollars, rocks and artillery
Bridge Watch Summary Species # of Sightings # of Animals Comments	she	ells. Observers	hours cont	inue to be from 0600-1200,
Bridge Watch Summary Species # of Sightings # of Animals Comments	180	00-2400. Materi	al digging	is sand with small amounts of
species # of Sightings # of Animals Comments	sh	e11.		
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments			-	
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
species # of Sightings # of Animals Comments				
•			Bridge Wa	atch Summary
No sightings	Species	# of Sightings	# of Animals	Comments
	· <u>····</u>			No sightings
				· · · · · · · · · · · · · · · · · · ·
Eric Westerman		Eric Wes	terman	
Observer(s) On Duty:	Observer(s) On 1	Duty:		

Dredge R.N. WEEKS / Sandbridge Beach Erosion Control USACE, Norfolk District

Date: <u>07</u>	<u>7 / 21 / 98</u> I	.oads:	436-437
Area(s) V	Vorked: B	orrow area B	
Weather (Conditions: Skies pa	rtly cloudy,	Winds SW 10-15 knots, Seas 1'-3'
Range of	H ₂ O Temperature: Surfa	ce <u>75⁰F</u>	Below Mid-Depth 72°F
Condition	of all screening apparatus	:OK	
Are there	e incidents involving enda	ingered or protec	cted species? YesNoX_
Comment	ts (type of material being d	• •	l specimens, etc.):
			day consisted of clearnose
			der crabs, shell, lady crabs,
			illery shells. Project completed
	with no detected	turtle kills	or injuries.
	· · · · · · · · · · · · · · · · · · ·		
			
		 	
		Bridge Wa	atch Summary
Species	# of Sighting	s # of Animals	·
			No sightings
			
		: Westerman	
Observer((s) On Duty:		